

J. Roiley.

1636 p #20

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RAW SEQUENCE LISTING
PATENT APPLICATION US/08/846,606D

DATE: 01/05/99
TIME: 11:44:13

INPUT SET: S30574.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

ENTERED

SEQUENCE LISTING

1
2
3 (1) General Information:
4 (i) APPLICANT: Ravnika et al.
5 (ii) TITLE OF INVENTION: Thioredoxin/Heterologous Protein Bacterial Expression
6 (iii) NUMBER OF SEQUENCES: 14
7 (iv) CORRESPONDENCE ADDRESS:
8 (A) ADDRESSEE: Schering-Plough Corporation
9 (B) STREET: 2000 Galloping Hill Road
10 (C) CITY: Kenilworth
11 (D) STATE: New Jersey
12 (E) COUNTRY: U.S.A.
13 (F) ZIP : 07033-0530
14 (v) COMPUTER READABLE FORM:
15 (A) MEDIUM TYPE: diskette
16 (B) COMPUTER: Power Macintosh 7600/120
17 (C) OPERATING SYSTEM: Macintosh 7.5.3
18 (D) SOFTWARE: Microsoft Word 6.0
19 (vi) CURRENT APPLICATION DATA:
20 (A) APPLICATION NUMBER: US 08/846,606
21 (B) FILING DATE: 30-APR-1997
22 (vii) PRIOR APPLICATION DATA:
23 (A) APPLICATION NUMBER: US 60/011,606
24 (B) FILING DATE: 30-APR-1996
25 (viii) ATTORNEY/AGENT INFORMATION:
26 (A) NAME: Thampoe, Immac J.
27 (B) REGISTRATION NUMBER: 36,322
28 (C) REFERENCE DOCKET NUMBER: JB0600Q
29
30 (2) INFORMATION FOR SEQ ID NO:1:
31 (i) SEQUENCE CHARACTERISTICS:
32 (A) LENGTH: 30 bases
33 (B) TYPE: nucleic acid
34 (C) STRANDEDNESS: single
35 (D) TOPOLOGY: linear
36 (ii) MOLECULE TYPE: DNA
37 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
38
39 CCTGTGGAGT TACATATGAG CGATAAAATT 30
40
41 (2) INFORMATION FOR SEQ ID NO:2:
42 (i) SEQUENCE CHARACTERISTICS:
43 (A) LENGTH: 47 bases
44 (B) TYPE: nucleic acid
45 (C) STRANDEDNESS: single
46 (D) TOPOLOGY: linear

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47 (ii) MOLECULE TYPE: DNA
48 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
49
50 GCACCCAACA TGCAAGGATC CTTACGCCAG ATTAGCATCG AGGAACT 47
51
52
53
54 (2) INFORMATION FOR SEQ ID NO:3:
55 (i) SEQUENCE CHARACTERISTICS:
56 (A) LENGTH: 336 base pairs
57 (B) TYPE: nucleic acid
58 (C) STRANDEDNESS: single
59 (D) TOPOLOGY: linear
60 (ii) MOLECULE TYPE: DNA
61 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
62
63 ATGAGCGATA AAATTATTCA CCTGACTGAC GACAGTTTGT ACACGGATGT 50
64 ACTCAAAGCG GACGGGGCGA TCCTCGTCGA TTTCTGGGCA GAGTGGTGCG 100
65 GTCCGTGCAA AATGATCGCC CCGATTCTGG ATGAAATCGC TGACGAATAT 150
66 CAGGGCAAAC TGACCGTTGC AAAACTGAAC ATCGATCAAA ACCCTGGCAC 200
67 TGCGCCGAAA TATGGCATCC GTGGTATCCC GACTCTGCTG CTGTTCAAAA 250
68 ACGGTGAAGT GCGGCAACC AAAGTGGGTG CACTGTCTAA AGGTCAAGTTG 300
69 AAAGAGTTCC TCGATGCTAA TCTGGCGTAA GGATCC 336
70
71 (2) INFORMATION FOR SEQ ID NO:4:
72 (i) SEQUENCE CHARACTERISTICS:
73 (A) LENGTH: 336 base pairs
74 (B) TYPE: nucleic acid
75 (C) STRANDEDNESS: single
76 (D) TOPOLOGY: linear
77 (ii) MOLECULE TYPE: cDNA
78 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
79
80 ATGAGCGATA AAATTATTCA CCTGACTGAC GACAGTTTGT ACACGGATGT 50
81 ACTCAAAGCG GACGGGGCGA TCCTCGTCGA TTTCTGGGCA GAGTGGTGCG 100
82 GTCCGTGCAA AATGATCGCC CCGATTCTGG ATGAAATCGC TGACGAATAT 150
83 CAGGGCAAAC TGACCGTTGC AAAACTGAAC ATCGATCAAA ACCCTGGCAC 200
84 TGCGCCGAAA TATGGCATCC GTGGTATCCC GACTCTGCTG CTGTTCAAAA 250
85 ACGGTGAAGT GCGGCAACC AAAGTGGGTG CACTGTCTAA AGGTCAAGTTG 300
86 AAAGAGTTCC TCGAGGCTAA TCTGGCGTAA GGATCC 336
87
88 (2) INFORMATION FOR SEQ ID NO:5:
89 (i) SEQUENCE CHARACTERISTICS:
90 (A) LENGTH: 81 bases pairs
91 (B) TYPE: nucleic acid
92 (C) STRANDEDNESS: single
93 (D) TOPOLOGY: linear
94 (ii) MOLECULE TYPE: cDNA
95 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
96
97 GATAATATTC TGGCTGGTTC TGTTCTGGT GATGACGATG ACAAGGGTCC 50
98 TGTTCGCGC TCTACCGCTC TCGTGAGCT C 81
99

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100

101

(2) INFORMATION FOR SEQ ID NO:6:

102

(i) SEQUENCE CHARACTERISTICS:

103

(A) LENGTH: 27 amino acids

104

(B) TYPE: amino acid

105

(D) TOPOLOGY: linear

106

(ii) MOLECULE TYPE: peptide

107

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

108

109

110

Asp Asn Asn Leu Ala Gly Ser Gly Ser Gly Asp Asp Asp Asp Lys

111

1

5

10

15

112

113

Gly Pro Val Pro Pro Ser Thr Ala Leu Arg Glu Leu

114

20

25

115

116

117

(2) INFORMATION FOR SEQ ID NO:7:

118

(i) SEQUENCE CHARACTERISTICS:

119

(A) LENGTH: 52 bases

120

(B) TYPE: nucleic acid

121

(C) STRANDEDNESS: single

122

(D) TOPOLOGY: linear

123

(ii) MOLECULE TYPE: DNA

124

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

125

126

GAAGGAGGCT GATTAAATGG GTCCGGTTCC GCCGTCTACC GCTCTGGAGC 50

127

TC

52

128

129

(2) INFORMATION FOR SEQ ID NO:8:

130

(i) SEQUENCE CHARACTERISTICS:

131

(A) LENGTH: 18 bases

132

(B) TYPE: nucleic acid

133

(C) STRANDEDNESS: single

134

(D) TOPOLOGY: linear

135

(ii) MOLECULE TYPE: DNA

136

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:

137

138

AAGGAGGCTG ATTAAATG 18

139

140

(2) INFORMATION FOR SEQ ID NO:9:

141

(i) SEQUENCE CHARACTERISTICS:

142

(A) LENGTH: 17 bases

143

(B) TYPE: nucleic acid

144

(C) STRANDEDNESS: single

145

(D) TOPOLOGY: linear

146

(ii) MOLECULE TYPE: DNA

147

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:

148

149

AAGGAGGCTG ATTAATG 17

150

151

152

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153 (2) INFORMATION FOR SEQ ID NO:10:
154 (i) SEQUENCE CHARACTERISTICS:
155 (A) LENGTH: 14 bases
156 (B) TYPE: nucleic acid
157 (C) STRANDEDNESS: single
158 (D) TOPOLOGY: linear
159 (ii) MOLECULE TYPE: DNA
160 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:
161
162 AAGGAGGTTT AATG 14
163
164 (2) INFORMATION FOR SEQ ID NO:11:
165 (i) SEQUENCE CHARACTERISTICS:
166 (A) LENGTH: 6 amino acids
167 (B) TYPE: amino acid
168 (D) TOPOLOGY: linear
169 (ii) MOLECULE TYPE: peptide
170 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:
171
172 Leu Asp Ala Asn Leu Ala
173 1 5
174 (2) INFORMATION FOR SEQ ID NO:12:
175 (i) SEQUENCE CHARACTERISTICS:
176 (A) LENGTH: 21 bases
177 (B) TYPE: nucleic acid
178 (C) STRANDEDNESS: single
179 (D) TOPOLOGY: linear
180 (ii) MOLECULE TYPE: DNA
181 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:
182
183 CTCGATGCTA ATCTGGCGTA A 21
184
185 (2) INFORMATION FOR SEQ ID NO:13:
186 (i) SEQUENCE CHARACTERISTICS:
187 (A) LENGTH: 21 bases
188 (B) TYPE: nucleic acid
189 (C) STRANDEDNESS: single
190 (D) TOPOLOGY: linear
191 (ii) MOLECULE TYPE: DNA
192 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:13:
193
194 CTCGAGGCTA ATCTGGCGTA A 21
195
196 (2) INFORMATION FOR SEQ ID NO:14:
197 (i) SEQUENCE CHARACTERISTICS:
198 (A) LENGTH: 6 amino acids
199 (B) TYPE: amino acid
200 (D) TOPOLOGY: linear
201 (ii) MOLECULE TYPE: peptide
202 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:14:
203
204 Leu Glu Ala Asn Leu Ala
205 1 5

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207
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209 11
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SEQUENCE VERIFICATION REPORT
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Original Text